

Notes

Dividing Decimals By Whole Numbers

Step #1

Divide Like
you would
normally
divide

Step #2

Move the
decimal
straight \uparrow
up from the
dividend
(number inside)
into our
answer

Step #3

Check your
answers
to make
sure they
are reasonable

Example #1

$$\begin{array}{r} 126 \\ 2 \overline{) 2.52} \\ \underline{-2} \\ 05 \\ \underline{-4} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

Example #2

$$\begin{array}{r} 1.26 \\ 2 \overline{) 2.52} \end{array}$$

Example #3

$$\begin{array}{r} 1.26 \\ \times 2 \\ \hline 2.52 \end{array}$$

divisor | dividend

Dividing Decimals By Decimals

Step #1

Move the decimal to the right in the divisor until you have a whole number

Then move the decimal the same number of spaces in the dividend

Step #

Divide like normal

• Move the decimal straight up from the dividend

Step #3

Check answer to make sure it is reasonable

Example #1

$$8.7 \overline{) 356.7}$$

Example #2

$$\begin{array}{r} 0.041 \\ 87 \overline{) 356.7} \\ \underline{-348} \\ 87 \\ \underline{-87} \\ 0 \end{array}$$

Example #3

$$\begin{array}{r} 3.041 \\ \times 8.7 \\ \hline 287 \\ + 3280 \\ \hline 3567 \end{array}$$

$$\begin{array}{r} 287 \\ \times 4 \\ \hline 348 \end{array}$$